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2DWB



Aurora-A kinase complexed with AMPPNP

Characteristics

Release Date: 31-Jul-2007 Exp. M
Resolution: 2.50 ÅClassification
Compound

Transferase

Molecule: Serine/threonine-protein
Polymer: 1 Type: polypeptide
Chains: A
EC#: 2.7.11.1
Fragment: kinase domain

Authors

Kukimoto-Niino, M. , Murayam
Yokoyama, S. , RIKEN Structural
Genomics/ Proteomics Initiative

1OL6



STRUCTURE OF UNPHOSPHORYLATED D274N MUT

Characteristics

Release Date: 30-Oct-2003 Exp. A
Resolution: 3.00 ÅClassification
Compound

Kinase

Molecule: SERINE/THREONINE KI
Polymer: 1 Type: polypeptide
Chains: A
EC#: 2.7.1.37
Fragment: CATALYTIC DOMAIN, RE
Mutation: YES

Authors

Bayliss, R. , Conti, E.

2J4Z



STRUCTURE OF AURORA-2 IN COMPLEX WITH PHA

Characteristics

Release Date: 06-Nov-2006 Exp. I
Resolution: 2.00 ÅClassification
Compound

Transferase

Molecule: SERINE THREONINE-PR
Polymer: 1 Type: polypeptide
Chains: A, B
EC#: 2.7.1.37 2.7.11.1
Fragment: CATALYTIC DOMAIN, RE

Authors

Cameron, A.D. , Izzo, G. , St
L. , Fancelli, D. , Varasi, M.
S. , Forte, B. , Severino, D.
Vianello, P.

☒ 2J50


STRUCTURE OF AURORA-2 IN COMPLEX WITH PHA

Characteristics	Release Date: 06-Nov-2006 Exp. f
	Resolution: 3.00 Å
Classification	Transferase
Compound	Molecule: SERINE/THREONINE
	Polymer: 1 Type: polypep
	Chains: A, B
	EC#: 2.7.11.1
	Fragment: CATALYTIC DOMAIN
	Other Details: USING MASS SPECTI
	WAS SEEN TO BE PA
	PHOSPHORYLATED E
	WERE SEEN IN THE
Authors	Cameron, A.D. , Izzo, G. , St
	L. , Fancelli, D. , Varasi, M.
	S. , Forte, B. , Severino, D.
	Vianello, P.

☒ 2W11


STRUCTURE DETERMINATION OF AURORA KINASE INHIBITOR

Characteristics	Release Date: 27-Jan-2009 Exp. N
	Resolution: 2.60 Å
Classification	Transferase
Compound	Molecule: JAK2
	Polymer: 1 Type: polypeptide
	Chains: A, B
	EC#: 2.7.10.2
	Fragment: KINASE DOMAIN, RESIC
Authors	Howard, S. , Berdini, V. , Boi
	M.G. , Cross, D.M. , Curry, J.
	Early, T.R. , Fazal, L. , Gill, A
	Maman, S. , Matthews, J.E. ,
	Navarro, E.F. , O'Brien, M.A.
	D.C. , Reule, M. , Tisi, D. ,
	Vinkovic, M. , Wyatt, P.G.

☒ 1MQ4


Crystal Structure of Aurora-A Protein Kinase

Characteristics	Release Date: 16-Sep-2003 Exp. f
	Resolution: 1.90 Å
Classification	Transferase
Compound	Molecule: AURORA-RELATED KINA
	Polymer: 1 Type: polypeptide
	Chains: A
	EC#: 2.7.-.-
	Fragment: kinase domain
Authors	Nowakowski, J. , Cronin, C.N.
	Knuth, M.W. , Nelson, C. , Pa
	Rodgers, J. , Sang, B.-C. , Sc
	Swanson, R.V. , Thompson, D.J

☒ 1OL5


STRUCTURE OF AURORA-A 122-403, PHOSPHORYL THR288 AND BOUND TO TPX2 1-43

Characteristics	Release Date: 30-Oct-2003 Exp. N
	Resolution: 2.50 Å
Classification	Transferase/ cell Cycle
Compound	Molecule: SERINE/THREONINE
	Polymer: 1 Type: polypep



Chains: A
 EC#: 2.7.1.37
 Fragment: CATALYTIC DOMAIN
 Other Details: PHOSPHORYLATED C
 Molecule: RESTRICTED EXPRES
 ASSOCIATED PROTE
 Polymer: 2 Type: polypep
 Chains: B
 Fragment: N-TERMINAL, RESID

Authors **Bayliss, R. , Conti, E.**

☒ **3D14**

Crystal structure of mouse Aurora A (Asn186->Gln) in complex with 1-{5-[2-(thieno[3,2-d]pyridin-5-yl)-thiazol-2-yl]-3-(3-trifluoromethyl-phenyl)}-urea [3D14]

Characteristics Release Date: 26-Aug-2008 Exp. 1
 Resolution: 1.90 Å
 Classification Transferase
 Compound Molecule: serine/threonine kinase
 Polymer: 1 Type: polypeptide
 Chains: A
 EC#: 2.7.11.1
 Fragment: Aurora A kinase domain
 Mutation: N186G, K240R, M302L

Authors **Elling, R.A. , Baskaran, S. , A
 J.D. , Romanowski, M.J.**



☒ **3D15**

Crystal structure of mouse Aurora A (Asn186->Gln) in complex with 1-(3-chloro-phenyl)-3-{5-[pyrimidin-4-ylamino]-ethyl}-thiazol-2-yl-urea [3D15]

Characteristics Release Date: 12-May-2009 Exp. 1
 Resolution: 2.30 Å
 Classification Transferase
 Compound Molecule: serine/threonine kinase
 Polymer: 1 Type: polypeptide
 Chains: A
 EC#: 2.7.11.1
 Fragment: Aurora-A kinase domain
 Mutation: N186G, K240R, M302L

Authors **Elling, R.A. , Bui, M. , Allen, I
 Romanowski, M.J.**



☒ **3DJ7**

Crystal structure of the mouse Aurora-A catalytic (Lys240->Arg, Met302->Leu) in complex with Compound 1 [3DJ7]

Characteristics Release Date: 05-May-2009 Exp. 1
 Resolution: 2.80 Å
 Classification Transferase
 Compound Molecule: serine/threonine kinase
 Polymer: 1 Type: polypeptide
 Chains: A
 EC#: 2.7.11.1
 Fragment: Aurora A kinase domain
 Mutation: N186G, K240R, M302L

Authors **Elling, R.A. , Yang, W. , Erlar
 B.T. , Hansen, S.K. , Romano**

1 2 3 4 5

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